1,500 GAL.

Maine Center for Disease Control and Prevention
An Office of the Department of Health and Human Services

Department of Health and Human Services
Maine Center for Disease Control and Prevention
286 Water Street
11 State House Station
Augusta, Maine 04333-0011
Tel: (207) 287-5672
Fax: (207) 287-4172; TTY: 1-800-606-0215

SUBSURFACE WASTEWATER DISPOSAL SYSTEM VARIANCE REQUEST

This form must accompany an application (HHE-200 Form) for any subsurface wastewater disposal system which requires a variance to provisions of the Subsurface Wastewater Disposal Rules. The Local Plumbing Inspector must not issue a permit for the installation of a subsurface wastewater disposal system requiring a variance from the Department of Health and Human Services until approval has been received from the Department.

GENERAL INFORMATION Town of AUGUSTA

Property Owner's Name: DEMOS, GLENDA Tel. No.:

System's Location: 902 EASTERN AVENUE

Property Owner's Address: 7844 SOUTHEAST SARATOGA DRIVE Zip Code

e-mail address: HOBE SOUND, FL 33455

The subsurface wastewater disposal system design for the subject property requires a ☑ replacement system variance ☐ first time system variance to the Subsurface Wastewater Disposal Rules. This variance requires ☑ local approval ☐ local and state approval.

SPECIFIC VARIANCE REQUESTED (To be filled in by Site Evaluator. Use additional sheets if needed.) **SECTION OF RULE**

1. 9" TO SEASONAL WATER TABLE — TABLE 4-F
2.
3.

SITE EVALUATOR

When a property is found to be unsuitable for subsurface wastewater disposal by a licensed Site Evaluator, the Evaluator shall so inform the property owner. If the property owner, after exploring all other alternatives, wishes to request a variance to the Rules, and the Evaluator in his professional opinion feels the variance request is justified and the site limitations can be overcome, he shall document the soil and site conditions on the Application. The Evaluator shall list the specific variances necessary plus describe below the proposed system design and function. The Evaluator shall further describe how the specific site limitations are to be overcome, and provide any other support documentation as required prior to consideration by the Department. Attach a separate sheet if necessary.

ATTACHMENT ☐ YES ☒ NO

I, STEPHEN P. ROBBINS, S.E., certify that a variance to the Rules is necessary since a system cannot be installed which will completely satisfy all the Rule requirements. In my judgment, the proposed system design on the attached Application is the best alternative available; enhances the potential of the site for subsurface wastewater disposal; and that the system should function properly.

Stephen P. Robbins — 21 NOV 15

SIGNATURE OF SITE EVALUATOR — DATE

PROPERTY OWNER

I, Shawna Wells, am the ☐ owner ☑ agent for the owner of the subject property. I understand that the installation on the Application is not in total compliance with the Rules. Should the proposed system malfunction, I release all concerned provided they have performed their duties in a reasonable and proper manner, and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.

Shawna Wells — 12/8/15

☐ SIGNATURE OF OWNER
☑ AGENT FOR THE OWNER — DATE

LOCAL PLUMBING INSPECTOR - Approval at local level

The local plumbing inspector shall review all variance requests prior to rendering a decision.
I, Gary R. Griffin, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (☐ does ☐ does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I (☐ do ☐ do not) approve the requested variance. I (☐ will ☐ will not) issue a permit for the system's installation as proposed by the application.

Gary R. Griffin — LPI Signature

12/8/15 — Date

LOCAL PLUMBING INSPECTOR - Referral to the Department

The local plumbing inspector shall review all variance requests prior to forwarding to the Division of Environmental Health.
I, _____, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (☐ does ☐ does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I (☐ do ☐ do not) recommend the issuance of a permit for the system's installation as proposed by the application.

_____ LPI Signature

_____ Date

FOR USE BY THE DEPARTMENT ONLY

The Department has reviewed the variance(s) and (☐ does ☐ does not) give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

_____ SIGNATURE OF THE DEPARTMENT

_____ DATE

Notes: 1. Variances for soil conditions may be approved at the local level as long as the total point assessment is at least the minimum allowed. (See Section 7.B.4 of the Subsurface Wastewater Disposal Rules for Municipal Review.)

2. Variances for other than soil conditions or soil conditions beyond the limit of the LPI's authority are to be submitted to the Department for review. (See Section 7.B.3 for Department Review.) The LPI's signature is required on these variance requests prior to sending them to the Department.

SOIL, SITE AND ENGINEERING FACTORS FOR FIRST TIME SYSTEM VARIANCE ASSESSMENT WITH LIMITING SOIL DRAINAGE CONDITIONS (SEE TABLES 7C THROUGH 7M).

	CHARACTERISTIC	POINT ASSESSMENT
Soil Profile		
Depth to Groundwater/Restrictive Layer		
Terrain		
Size of Property		
Waterbody Setback		
Water Supply		
Type of Development		
Disposal Area Adjustment		
Vertical Separation Distance		
Additional Treatment		
	TOTAL POINT ASSESSMENT:	

Minimum Points (Check One): ☐ Outside Shoreland Zone-50 ☐ Inside Shoreland Zone-65 ☐ Subdivision-65

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept.Health & Human Services Division of Health Engineering, 10 SHS (207) 287-5672 Fax: (207) 287-3165

PROPERTY LOCATION PIT 12/14/15 **>>CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW<<**

City, Town, or Plantation	**Augusta**
Street or Road	**902 Eastern Avenue**
Subdivision, Lot #	M15 / L 48

OWNER/APPLICANT INFORMATION

Name (last, first, MI	**Demos, Glenda** ☑ Owner ☐ Applicant
Mailing Address of Applicant	**7844 South East Saratoga Drive** **Hobe Sound, FL 33455**
Daytime Tel.#	

AUGUSTA PERMIT #7178 TOWN COPY
Date Permit Issued: 12/8/15 $ 250.00 fee
15.00
LPI # 850

Municipal Tax Map #______ Lot #______

Owner or Applicant Statement

I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing inspector to deny a Permit

Signature of Owner or Applicant agent — Date 12/8/15

CAUTION: INSPECTION REQUIRED

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposa rules Application. ______ (1st) date approved

Local Plumbing Inspector Signature ______ (2nd) date approved

PERMIT INFORMATION

TYPE OF APPLICATION
- ☐ 1. First Time System
- ☑ 2. Replacement System

Type replaced: **Trench**

Year installed: **1970**

- ☐ 3. Expanded System
  - ☐ a. <25% expansion
  - ☐ b. >25% expansion
- ☐ 4. Experimental System
- ☐ 5. Seasonal Conversion

THIS APPLICATION REQUIRES
- ☐ 1. No Rule Variance
- ☐ 2. First Time System Variance
  - ☐ a. Local Plumbing Inspector Approval
  - ☐ b. State & Local Plumbing Inspector Approval
- ☑ 3. Replacement System Variance
  - ☑ a. Local Plumbing Inspector Approval
  - ☐ b. State & Local Plumbing Inspector Approval
- ☐ 4. Minimum Lot Size Variance
- ☐ 5. Seasonal Conversion Prmit

DISPOSAL SYSTEM COMPONENTS
- ☑ 1. Complete Non-engineered System
- ☐ 2. Primitive System 9graywater & alt. toilet)
- ☐ 3. Alternative Toilet, specify:
- ☐ 4. Non-engineered Treatment Tank (only)
- ☐ 5. Holding Tank, ______ gallons
- ☐ 6. Non-engineered Disposal Field (only)
- ☐ 7. Separated laundry System
- ☐ 8. Complete Engineered System (2000 gpd or more)
- ☐ 9. Engineered Treatment Tank (only)
- ☐ 10. Engineered disposal field (only)
- ☐ 11. Pre-treatment, specify:
- ☐ 12. Miscellaneous components

SIZE OF PROPERTY

1 ☐ SQ.FT. ☑ ACRES

SHORELAND ZONING

☑ Yes ☐ No

DISPOSAL SYSTEM TO SERVE
- ☑ 1. Single Family Dwelling Unit, No.of Bdrms: **3**
- ☐ 2. Multiple Family Dwelling, No. of Units:
- ☐ 3. Other: ______ Specify

Current Use ☐ Seasonal ☑ Year Round ☐ Undeveloped

TYPE OF WATER SUPPLY

☑ 1. Drilled Well ☐ 2. Dug Well ☐ 3. Private ☐ 4. Public ☐ 5. Other

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
- ☑ 1. Concrete
  - ☑ a. Regular
  - ☐ b. Low Profile
- ☐ 2. Plastic
- ☐ 3. Other:

CAPACITY: **1,500**

DISPOSAL FIELD TYPE & SIZE
- ☐ 1. Stone Bed ☐ 2. Stone Trench
- ☑ 3. Proprietary Device
  - ☐ a. cluster array ☑ c. Linear
  - ☑ b. regular load ☐ d. H-20 load
- ☐ 4. Other:

Size: **1,350** ☑ sq. ft. ☐ lin. ft.

GARBAGE DISPOSAL UNIT

☑ 1. No ☐ 2. Yes ☐ 3. Maybe

If Yes or Maybe, specify one below:
- ☐ a. Multi-compartment tank
- ☐ b. ______ tanks in series
- ☐ c. Increase in tank capacity
- ☐ d. Filter on Tank Outlet

DESIGN FLOW

270 gallons per day

BASED ON:
- ☑ 1. Table 501.1 (dwelling unit(s))
- ☐ 2. Table 501.2 (other facilities)

SHOW CALCULATIONS for other facilities

☐ 3. Section 503.0 (meter readings) ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS

PROFILE	CONDITION	DESIGN
9	D	

at Observation Hole # ______

Depth **9"** of Most Limiting Soil Factor

DISPOSAL FIELD SIZING
- ☐ 1. Medium---2.6 sq. st. / gpd
- ☐ 2 Medium---Large 3.3 sq. f.t/gpd
- ☐ 3 Large---4.1 sq. ft. / gpd
- ☑ 4 Extra Large---5.0 sq. ft / gpd

EFFLUENT/EJECTOR PUMP
- ☐ 1. Not Required
- ☑ 2. May Be Required
- ☐ 3. Required

Specify only for engineered systems: DOSE: ______ gallons

LATITUDE AND LONGITUDE

at center of disposal area

Lat. **44 d 16 m 989 s**

Lon. **69 d 41 m 719 s**

if g.p.s., state margin or error: ______

SITE EVALUATOR STATEMENT

I certify that on 20-Nov-15 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal rules (10-144A CMR 241).

Site Evaluator Signature **S.E. # 301** **11/21/2015**

Stephen P. Robbins 377-6707 narrowspd@aol.com

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator

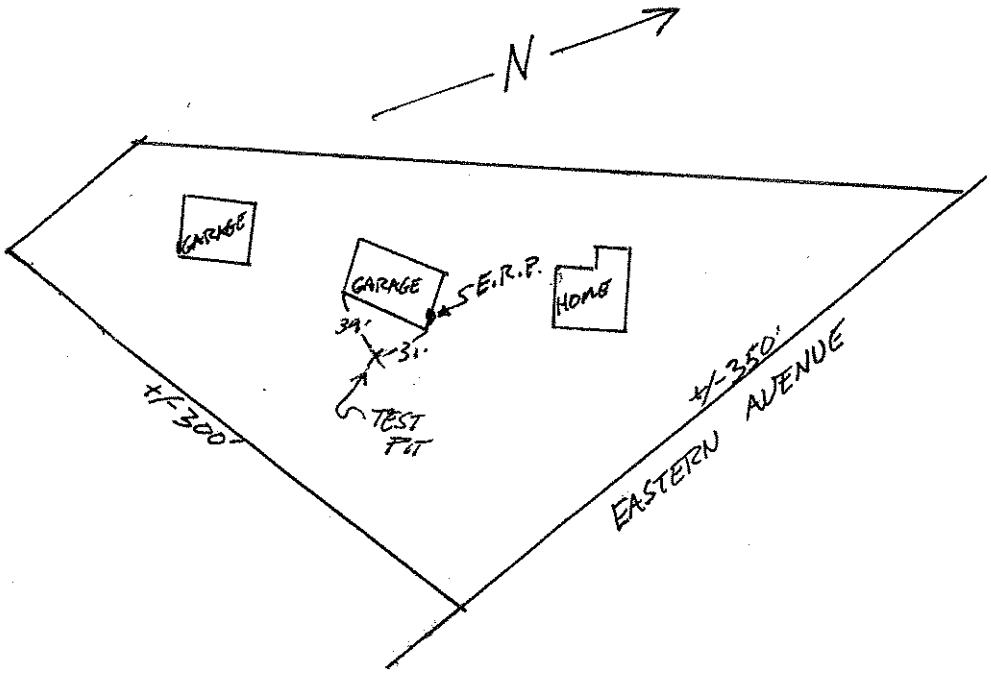
HHE-200 Rev. 8/11

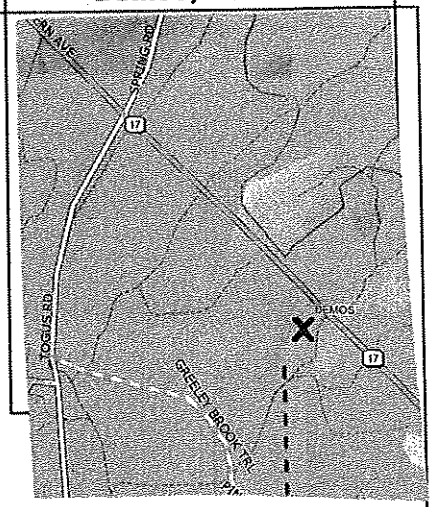
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept.Health & Human Services
Division of Health Engineering, 10 SHS
(207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation	Street, Road Subdivision	Owner's Name
Augusta	**902 Eastern Avenue,**	**Demos, Glenda**

SITE PLAN Scale 1" = **100** Ft. or as shown





SOIL DESCRIPTION AND CLASSIFICATION (LOCATION OF OBSERVATION HOLES SHOWN ABOVE)

Observation Hole **#1** ☑ Test Pit ☐ Boring

1 " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

	Texture	Consistency	Color	Mottling
0	Silt loam	Friable	Brown	
10	Silty clay		Olive	Common
20		Firm	Blue gray	
30				
40				
50				

Soil Classification		Slope	Limiting Factor	Ground Water ☐
9	**D**			Restrictive Layer ☐
Profile	Condition	**7%**	**9"**	Bedrock ☐
				Pit Depth

Observation Hole _____ ☐ Test Pit ☐ Boring

_____ " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

	Texture	Consistency	Color	Mottling
0				
10				
20				
30				
40				
50				

Soil Classification		Slope	Limiting	Ground Water ☐
				Restrictive Layer ☐
Profile	Condition			Bedrock ☐
				Pit Depth

Stephen P. Robbins — Site Evaluator Signature

301 — SE #

11/21/2015 — Date

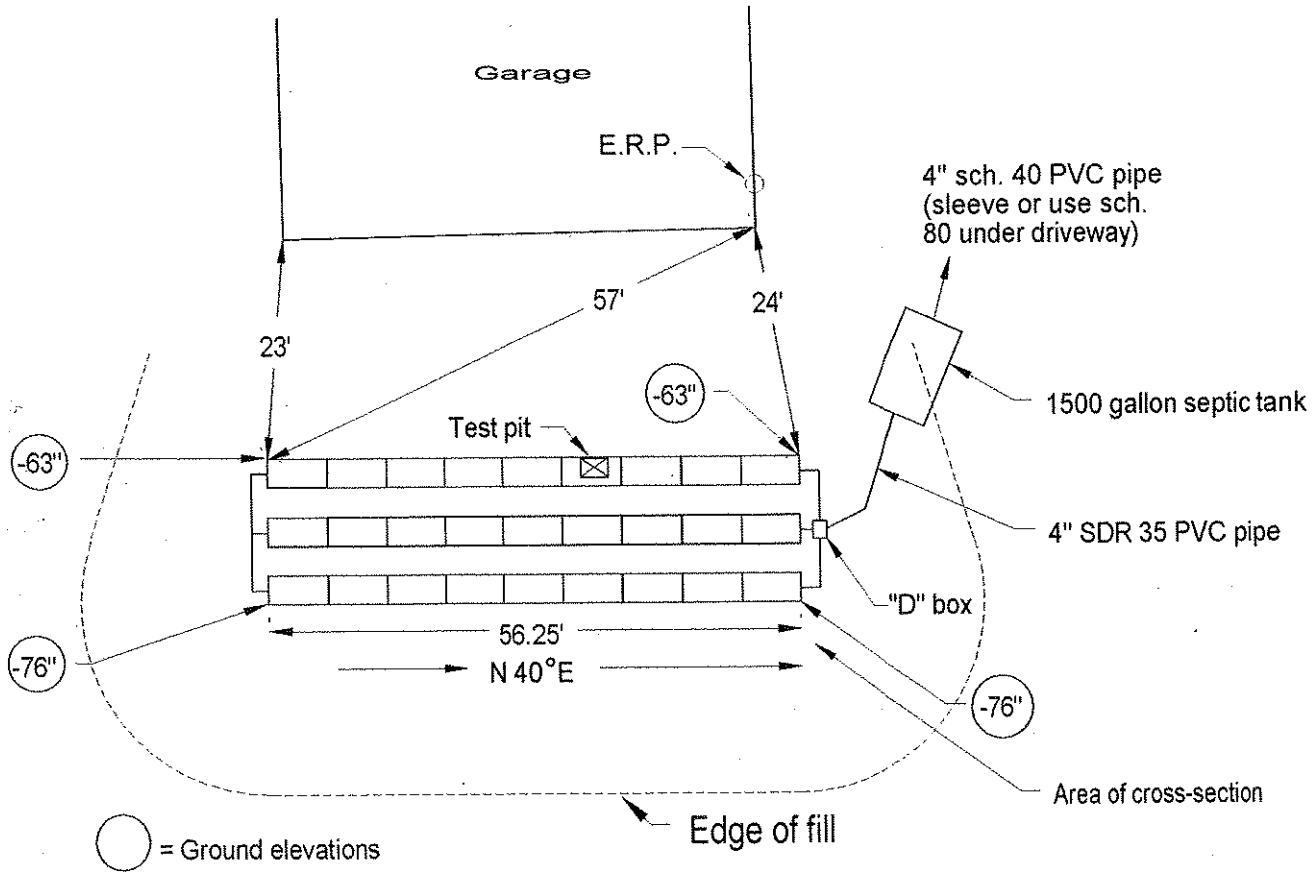
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept.Health & Human Services
Division of Health Engineering, 10 SHS
(207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
Augusta	**902 Eastern Avenue,**	**Demos, Glenda**

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1"= 20 ft.

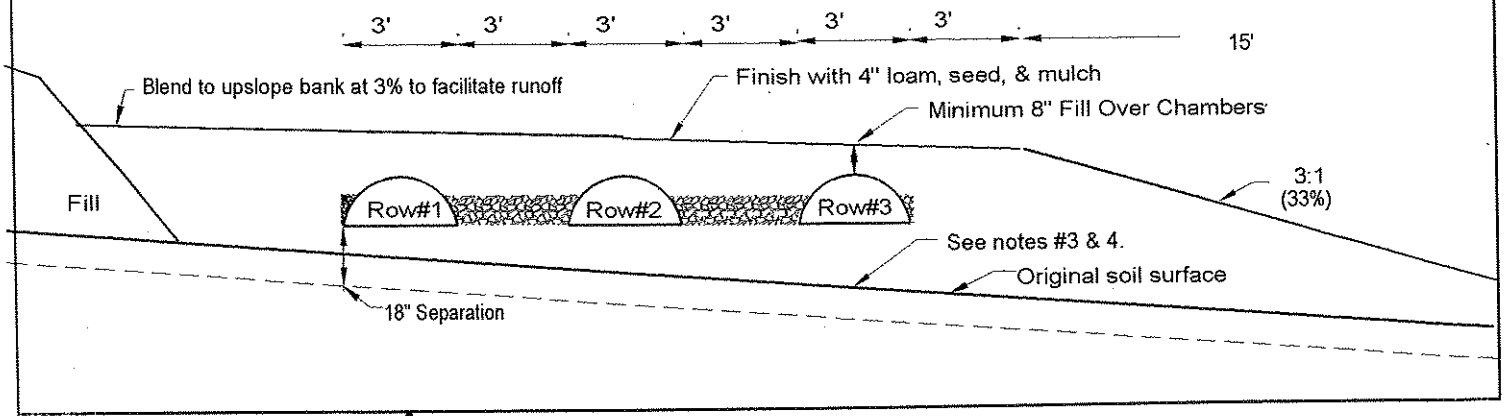


BACKFILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT
Depth of Backfill (upslope)	33 "	Finished Grade Elevation	-14 "	Location & Description:
Depth of Backfill (downslope)	46 "	Top of Distribution Pipe or Proprietary Device	-22 "	**Concrete threshold**
DEPTHS AT CROSS-SECTION (shown below)		Bottom of Disposal Field	-38 "	Reference Elevation is : 0.0" or:

DISPOSAL FIELD CROSS-SECTION

Scales:
Vertical: 1"= 5 ft.
Horizontal: 1"= 5 ft.

Note: Use 27 high capacity 6.25' plastic chambers.
Use clean .75 to 1.5" stone between chambers. Do not use stone under chambers. Chambers and stone to be draped with filter fabric



Town **Augusta** Address **902 Eastern Avenue** Owner **Demos, Glenda**

ATTACHMENT TO HHE-200

Caution: Before starting, contractor must insure fill depth amounts match with elevations given. Contact designer immediately with any discrepancies.

Notes:

1. Construction to conform to "State of Maine Subsurface Wastewater Disposal Rules".
2. Property lines shown are as provided by owner, agent, or municipality. No guarantee of accuracy is implied. Actual property lines must be confirmed by survey.
3. Remove organic material and **roto-till** area under drain-field and fill extensions.
4. Unless otherwise specified, all fill will be coarse sand to a gravelly coarse sand. See Sec. 804.0 in the State of Maine Subsurface Waste-water Disposal Rules for further clarification of fill requirements. In 8" lifts, compacted as placed. First lift to be thoroughly mixed with original soil, to form a transition horizon.
5. Septic tanks and pump stations shall be installed water-tight to prevent infiltration of ground and surface water.
6. Force mains, pump stations, and or gravity piping subject to freezing shall be adequately insulated.
7. Unless otherwise specified, septic tank to be located by contractor; at minimum; 8' to proposed or existing home and or buildings, 10' to property line & water supply line, 50' to all wells, 100' and shoreline.
8. A septic tank outlet filter is recommended.
9. If replacement system with new tank, existing tank or cesspool to be filled with soil or removed. If existing tank is to be utilized, thoroughly inspect & replace outlet baffle with plastic filter.
10. Unless otherwise specified, this plan does not allow the placement of pumps between the waste-water source and the septic tank.
11. Unless otherwise specified, disposal area to existing or proposed buildings setback is 20'.
12. Water from gutters, driveways, walks, and other surface water to be diverted away from system.
13. Loam, seed and mulch all disturbed areas to prevent erosion and facilitate runnoff.
14. Unless otherwise specified, keep traffic heavier than lawn tractor away from all components of system.
15. Keep sanitary napkins, cigarette butts, coffee grounds, paper towels, grease, and nonbiodegradables out of system.
16. Many times it is impossible to locate water supplies. Property owner assumes responsibility of proper setback to any unknown water supplies.
17. Discharge from water treatment equipment and residential foundation/floor drains is not considered waste-water and must not be plumbed into septic system. This flow should be diverted into a separate drywell (disposal area that does not require design or permit). A floor drain used for anything other than fresh-water disposal does require design and permit.
18. Plumbing fixtures must be strictly maintained to insure excess water does not enter septic system. Excess water can lead to premature clogging and total failure of disposal area.
19. Venting of disposal area is not required, but can facilitate biological action in disposal area.
20. Pumped systems will be equipped with audible high water alarm, wired to separate circuit as pump.
21. If a BK2000 Waste-Water Management system or any other Norweco products are included in this design, or SoilAir or other GeoMatrix products are included in this design; the designer may have a financial interest in the sale of these products. Owner is encouraged to research comparable products and make final choice. If owner chooses a competitors product, design will be revised to note said change at no charge.
22. Take 3 copies of the plan to your local plumbing inspector for required permit.
23. Install tank with top of outlet pipe no lower than **-16"** to avoid pumping.

Stephen P. Robbins **SE # 301** Date: **11/21/2015**